

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/540,956A  
Source: IFW16  
Date Processed by STIC: 11/09/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 11/09/2006

PATENT APPLICATION: US/10/540,956A

TIME: 10:26:17

Input Set : A:\PTO.RJ.TXT

Output Set: N:\CRF4\11092006\J540956A.raw

3 <110> APPLICANT: Tyagi, Kumar  
 4 Mukhopadhyay, Arnab  
 5 Vij, Shubha  
 7 <120> TITLE OF INVENTION: A novel gene Osisapi of rice confers tolerance to stresses  
 and a method  
 8 thereof  
 10 <130> FILE REFERENCE: 4544-051956  
 12 <140> CURRENT APPLICATION NUMBER: US 10/540,956A  
 13 <141> CURRENT FILING DATE: 2006-03-13  
 15 <150> PRIOR APPLICATION NUMBER: PCT/IN2003/000397  
 16 <151> PRIOR FILING DATE: 2003-12-23  
 18 <160> NUMBER OF SEQ ID NOS: 3  
 20 <170> SOFTWARE: Microsoft Word 2003  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 844  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Oryza sativa  
 27 <220> FEATURE:  
 29 <400> SEQUENCE: 1

30 gatctctcct gcaatcctca tcacacagca aacccaaacc gcgagcggaa tcctcagcct	60
32 gctgagagag cctgagacca agagggggat tcttttttgg ttattgacga tggcgagcgc	120
34 cgacaagaag gatcaggagc cgacggagct cagggcgccg gagatcacgc tgtgcgccaa	180
36 cagctgcgga ttcccgggca acccgggcac gcagaacctc tgccagaact gcttcttggc	240
38 ggccacggcg tccacctcgt cgccgtcttc tttgtcgtca ccggtgctcg acaagcagcc	300
40 gccgagggcg gcggcgccgc tgggtgagcc tcaggctcct ctcccaccgc ctgtggagga	360
42 gatggcctcc gcgctcgca cggcgcgggc gccggtcgcc aagacgtcgg cgggtaaccg	420
44 gtgctccagg tgccggaagc gtgtcggcct caccgggttc cggtgccggt gcggccacct	480
46 gttctgcggc gaacaccggt actccgaccg ccacggctgc agctacgact acaagtcggc	540
48 ggcaagggac gccatcgcca gggacaaccc ggtggtgcmc gcggccaaga tcgttaggtt	600
50 ctgagaggca aacaaaatta aaaaaaaaaat ctactgtttt agcaagaaat ggagaaaaaa	660
52 attgggaatt gaaggtgtgg atgttattat tatgtgttgc tcttctcgca attgtttttc	720
54 ccttttttatt ctttttaatt gcaaacggga ggataagtgg tggaaaagga atagtgtaac	780
56 aataatggtg atgtgaggtg gttgagggaa aaagaatcga agaacaaaaa aaaaaaaaaa	840
58 aaaa	844

60 <210> SEQ ID NO: 2  
 61 <211> LENGTH: 164  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Oryza sativa  
 65 <220> FEATURE:  
 67 <400> SEQUENCE: 2

68 Met Ala Gln Arg Asp Lys Lys Asp Gln Glu Pro Thr Glu Leu Arg Ala
69 1 5 10 15
71 Pro Glu Ile Thr Leu Cys Ala Asn Ser Cys Gly Phe Pro Gly Asn Pro
72 20 25 30

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```

74 Ala Thr Gln Asn Leu Cys Gln Asn Cys Phe Leu Ala Ala Thr Ala Ser
75          35          40          45
77 Thr Ser Ser Pro Ser Ser Leu Ser Ser Pro Val Leu Asp Lys Gln Pro
78      50          55          60
80 Pro Arg Pro Ala Ala Pro Leu Val Glu Pro Gln Ala Pro Leu Pro Pro
81 65          70          75          80
83 Pro Val Glu Glu Met Ala Ser Ala Leu Ala Thr Ala Pro Ala Pro Val
84          85          90          95
86 Ala Lys Thr Ser Ala Val Asn Arg Cys Ser Arg Cys Arg Lys Arg Val
87          100          105          110
89 Gly Leu Thr Gly Phe Arg Cys Arg Cys Gly His Leu Phe Cys Gly Glu
90          115          120          125
92 His Arg Tyr Ser Asp Arg His Gly Cys Ser Tyr Asp Tyr Asn Ser Ala
93          130          135          140
95 Ala Arg Asp Ala Ile Ala Arg Asp Asn Pro Val Val Arg Ala Ala Lys
96 145          150          155          160
98 Ile Val Arg Phe
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 38
102 <212> TYPE: PRT
103 <213> ORGANISM: Oryza sativa
105 <220> FEATURE:
106 <221> NAME/KEY: CDS
108 <222> LOCATION: (2)..(5)
109 <223> OTHER INFORMATION: xaa can be any amino acid and some may be missing
111 <222> LOCATION: (7)..(18)
112 <223> OTHER INFORMATION: xaa can be any amino acid and some may be missing
W--> 114 <222> (20)..(21)
115 <223> OTHER INFORMATION: xaa can be any amino acid and some may be missing
W--> 117 <222> (23)..(26)
118 <223> OTHER INFORMATION: xaa can be any amino acid and some may be missing
W--> 120 <222> (28)..(29)
121 <223> OTHER INFORMATION: xaa can be any amino acid and some may be missing
W--> 123 <222> (31)..(35)
124 <223> OTHER INFORMATION: xaa can be any amino acid and some may be missing
W--> 126 <222> (37)
127 <223> OTHER INFORMATION: xaa can be any amino acid
W--> 129 <400> 3
W--> 130 cys xaa xaa xaa xaa cys xaa xaa xaa xaa xaa xaa xaa xaa xaa
131          5          10          15
133 xaa xaa cys xaa xaa cys xaa xaa xaa xaa cys xaa xaa his xaa xaa
134          20          25          30
136 xaa xaa xaa his xaa cys
137          35

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/540,956A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,23,24,25,26  
Seq#:3; Xaa Pos. 28,29,31,32,33,34,35,37

**VERIFICATION SUMMARY**

DATE: 11/09/2006

PATENT APPLICATION: US/10/540,956A

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Input Set : A:\PTO.RJ.TXT

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L:114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:126 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:129 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3